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January 22, 2007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Title: **SYSTEM AND METHOD FOR USING MICROGYROS TO
MEASURE THE ORIENTATION OF A SURVEY TOOL WITHIN A
BOREHOLE**

Letters Patent No. 7,117,605

Issued: October 10, 2006

Our Reference: GYRO.008A

Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

As the errors cited in the Certificate of Correction were incurred through the fault of the Applicant, enclosed is our check in the amount of \$100. Please charge any additional fees to our Deposit Account No. 11-1410.

Respectfully submitted,

Knobbe, Martens, Olson & Bear, LLP

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01/26/2007 SDENBOB1 00000007 7117605

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Enclosures

3330629: clk
012207

Certificate

JAN 30 2007

of Correction

JAN 31 2007

San Diego
619-235-8550

San Francisco
415-954-4114

Los Angeles
310-551-3450

Riverside
951-781-9231

San Luis Obispo
805-547-5580

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,117,605
APPLICATION NO. : 10/823,091
ISSUE DATE : October 10, 2006
INVENTOR(S) : Ekseth et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 12, after 6,347,282, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 16, after 6,484,818, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 17, after 6,655,460, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 18, after 6,659,201, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 19, after 6,845,665, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 20, after 6,848,304, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 21, after 6,859,751, delete "B1" and insert --B2--.

On Page 2, Col. 1 ("U.S. Patent Documents"), Line 22, after 6,895,678, delete "B1" and insert --B2--.

On Page 2, Col. 2 ("Other Publications"), Line 5, delete "Stimulate" and insert --Simulate--.

On Col. 10, Equation 3, after $SD_p = \sqrt{\frac{\sum_i W_i * (R_i - R_p)^2}{(N-1) * \sum_i W_i}}$, delete ".".

On Col. 11, Line 11, delete " R_α " and insert --" R_a "--.

On Col. 11, Equation 6, delete " $W_j = \left(\frac{SD_{p,j} N_{e,j}}{N} \right)^2$ " and insert --" $W_j = \left(\frac{SD_{p,j} * N_{e,j}}{N} \right)^2$ --.

On Col. 12, Equation 8, delete " $\Sigma_{101,k}$;" and insert -- $\Sigma_{\Phi,k}$;;--.

On Col. 14, Lines 62-63, delete "misalignments," and insert --misalignments,--.

On Col. 15, Line 12, delete " σ_{107} " and insert -- σ_ω --.

MAILING ADDRESS OF SENDER:

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,117,605
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Page 2 of 2

On Col. 15, Equation 20, delete " $dX_1 = [d\omega_{z1} dB_{a1} dB_{b1} dM_1]^T$ " and insert

-- $dX_1 = [d\omega_{z1} \quad dB_{a1} \quad dB_{b1} \quad dM_1]^T$ --.

On Col. 15, Line 50, delete " $X'_1 = [\omega'_{z1} B'_{a1} B'_{b1} M'_1]^T$ " and insert -- $X'_1 = [\omega'_{z1} \quad B'_{a1} \quad B'_{b1} \quad M'_1]^T$ --.

On Col. 16, Equation 30, delete " $X'_k = [\omega'_{zk} B'_{ak} B'_{bk} M'_k]^T$ " and insert -- $X'_k = [\omega'_{zk} \quad B'_{ak} \quad B'_{bk} \quad M'_k]^T$ --.

3328395: clk
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